

## **Appendix B - WinHSPF Model Input File**

RUN

GLOBAL

UCI Created by WinHSPF for salt1  
START 1995/10/01 00:00 END 2001/10/31 24:00  
RUN INTERP OUTPT LEVELS 1 0  
RESUME 0 RUN 1 UNITS 1  
END GLOBAL

FILES

<FILE> <UN#>\*\*\*<----FILE NAME----->  
MESSU 24 wq29.WQ1.ech  
91 wq29.WQ1.out  
WDM1 25 ..\saltout2.wdm  
WDM2 26 ..\..\data\met\_data\valpo.wdm  
END FILES

OPN SEQUENCE

INGRP INDELT 01:00

PERLND 101  
PERLND 102  
PERLND 103  
PERLND 104  
PERLND 105  
IMPLND 101  
PERLND 106  
PERLND 107  
PERLND 108  
PERLND 109  
PERLND 110  
IMPLND 102  
PERLND 111  
PERLND 112  
PERLND 113  
PERLND 114  
PERLND 115  
IMPLND 103  
PERLND 116  
PERLND 117  
PERLND 118  
PERLND 119  
PERLND 120  
IMPLND 104  
PERLND 121  
PERLND 122  
PERLND 123  
PERLND 124  
PERLND 125  
IMPLND 105  
RCHRES 5  
RCHRES 2  
RCHRES 11  
RCHRES 6  
RCHRES 7  
RCHRES 18  
RCHRES 8  
RCHRES 9  
RCHRES 20  
RCHRES 12  
RCHRES 21  
RCHRES 3  
RCHRES 24  
RCHRES 16  
RCHRES 10  
RCHRES 14  
RCHRES 28

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RCHRES      25
RCHRES      30
RCHRES      29
RCHRES      34
RCHRES      26
RCHRES      27
RCHRES      35
RCHRES      23
RCHRES      22
RCHRES      33
RCHRES      19
RCHRES      17
RCHRES      15
RCHRES      36
RCHRES      13
RCHRES      4
RCHRES      1
RCHRES      31
RCHRES      32
COPY        1
COPY        2
END INGRP
END OPN SEQUENCE

PERLND
ACTIVITY
*** <PLS >          Active Sections           ***
*** x - x ATMP SNOW PWAT SED PST PWG PQAL MSTL PEST NITR PHOS TRAC ***
101 125   0   0   1   0   0   0   1   0   0   0   0   0   0   0
END ACTIVITY

PRINT-INFO
*** < PLS>          Print-flags           PIVL PYR
*** x - x ATMP SNOW PWAT SED PST PWG PQAL MSTL PEST NITR PHOS TRAC
101 125   4   4   4   4   4   4   4   4   4   4   4   4   4   1   9
END PRINT-INFO

GEN-INFO
***          Name          Unit-systems     Printer BinaryOut
*** <PLS >          t-series       Engl Metr Engl Metr
*** x - x
          in    out
101    Forest Land      1    1    0    0    0    0
102    Pasture          1    1    0    0    0    0
103    Agricultural Land 1    1    0    0    0    0
104    Water             1    1    0    0    0    0
105    Urban or Built-up La 1    1    0    0    0    0
106    Forest Land      1    1    0    0    0    0
107    Pasture          1    1    0    0    0    0
108    Agricultural Land 1    1    0    0    0    0
109    Water             1    1    0    0    0    0
110    Urban or Built-up La 1    1    0    0    0    0
111    Forest Land      1    1    0    0    0    0
112    Pasture          1    1    0    0    0    0
113    Agricultural Land 1    1    0    0    0    0
114    Water             1    1    0    0    0    0
115    Urban or Built-up La 1    1    0    0    0    0
116    Forest Land      1    1    0    0    0    0
117    Pasture          1    1    0    0    0    0
118    Agricultural Land 1    1    0    0    0    0
119    Water             1    1    0    0    0    0
120    Urban or Built-up La 1    1    0    0    0    0
121    Forest Land      1    1    0    0    0    0
122    Pasture          1    1    0    0    0    0
123    Agricultural Land 1    1    0    0    0    0
124    Water             1    1    0    0    0    0
125    Urban or Built-up La 1    1    0    0    0    0

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END GEN-INFO

ATEMP-DAT  
\*\*\* <PLS > ELDAT AIRTEMP  
\*\*\* x - x (ft) (deg F)  
101 125 -50. 60.  
END ATEMP-DAT

ICE-FLAG  
\*\*\* <PLS > Ice-  
\*\*\* x - x flag  
101 125 1  
END ICE-FLAG

SNOW-FLAGS  
\*\*\* <PLS >  
\*\*\* x - x SNOP VKM  
101 125 1 0  
END SNOW-FLAGS

SNOW-PARM1  
\*\*\* < PLS> LAT MELEV SHADE SNOWCF COVIND KMELT TBASE  
\*\*\* x - x degrees (ft) (in) (in/d.F) (F)  
101 125 41.5 700. 0.05 1.2 0.5 0.  
END SNOW-PARM1

SNOW-PARM2  
\*\*\* <PLS > RDCSN TSNOW SNOEVP CCFACT MWATER MGMELT  
\*\*\* x - x (deg F) (deg F) (in/day)  
101 125 0.14 32. 0.05 1. 0.03 0.01  
END SNOW-PARM2

SNOW-INIT1  
\*\*\* <PLS > Pack-snow Pack-ice Pack-watr RDENPF DULL PAKTMP  
\*\*\* x - x (in) (in) (in) (deg F)  
101 125 0. 0. 0. 0.01 0. 32.  
END SNOW-INIT1

SNOW-INIT2  
\*\*\* <PLS > COVINX XLNMLT SKYCLR  
\*\*\* x - x (in) (in)  
101 125 0.01 0. 0.5  
END SNOW-INIT2

PWAT-PARM1  
\*\*\* <PLS > Flags  
\*\*\* x - x CSNO RTOP UZFG VCS VUZ VNN VIFW VIRG VLE IFFC HWT IRRG  
101 125 0 1 1 0 0 0 0 0 1 1 0 0  
END PWAT-PARM1

PWAT-PARM2  
\*\*\* < PLS> FOREST LZSN INFILT LSUR SLSUR KVARY AGWRC  
\*\*\* x - x (in) (in/hr) (ft) (1/in) (1/day)  
101 0.3 10. 0.15 400. 0.146 0. 0.98  
102 103 0.3 9. 0.15 400. 0.146 0. 0.98  
104 105 0.3 9. 0.15 150. 0.1587 0. 0.98  
106 0.3 10. 0.15 400. 0.146 0. 0.98  
107 108 0.3 9. 0.15 400. 0.146 0. 0.98  
109 110 0.3 9. 0.15 150. 0.1587 0. 0.98  
111 0.3 10. 0.15 400. 0.146 0. 0.98  
112 113 0.3 9. 0.15 400. 0.146 0. 0.98  
114 115 0.3 9. 0.15 150. 0.1587 0. 0.98  
116 0.3 10. 0.15 400. 0.146 0. 0.98  
117 118 0.3 9. 0.15 400. 0.146 0. 0.98  
119 120 0.3 9. 0.15 150. 0.1587 0. 0.98  
121 0.3 10. 0.15 400. 0.146 0. 0.98

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122 123      0.3      9.      0.15     400.      0.146      0.      0.98
124 125      0.3      9.      0.15     150.      0.1587     0.      0.98
END PWAT-PARM2

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[View Details](#)

PWAT-PARM3

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*** < PLS>      PETMAX      PETMIN      INFEXP      INFILD      DEEPFR      BASETP      AGWETP
*** x - x (deg F) (deg F)
  101  125       35.        30.         2.          2.          0.45         0.          0.
END PWAT-PARM3

```

PWAT-PARM4

*** <PLS >	CEPSC	UZSN	NSUR	INTFW	IRC	LZETP
*** x - x	(in)	(in)			(1/day)	
101	0.1	1.	0.35	8.	0.7	0.6
102	0.1	0.7	0.1	7.	0.7	0.1
103	0.1	0.7	0.1	8.	0.7	0.5
104	0.1	0.7	0.05	8.	0.7	0.
105	0.1	0.7	0.1	7.	0.7	0.
106	0.1	1.	0.35	8.	0.7	0.6
107	0.1	0.7	0.1	7.	0.7	0.1
108	0.1	0.7	0.1	8.	0.7	0.5
109	0.1	0.7	0.05	8.	0.7	0.
110	0.1	0.7	0.1	7.	0.7	0.
111	0.1	1.	0.35	8.	0.7	0.6
112	0.1	0.7	0.1	7.	0.7	0.1
113	0.1	0.7	0.1	8.	0.7	0.5
114	0.1	0.7	0.05	7.	0.7	0.
115	0.1	0.7	0.1	7.	0.7	0.
116	0.1	1.	0.35	8.	0.7	0.6
117	0.1	0.7	0.1	7.	0.7	0.1
118	0.1	0.7	0.1	8.	0.7	0.5
119	0.1	0.7	0.05	7.	0.7	0.
120	0.1	0.7	0.1	7.	0.7	0.
121	0.1	1.	0.35	8.	0.7	0.6
122	0.1	0.7	0.1	7.	0.7	0.1
123	0.1	0.7	0.1	8.	0.7	0.5
124	0.1	0.7	0.05	7.	0.7	0.
125	0.1	0.7	0.1	7.	0.7	0.

END PWAT-PARM4

PWAT-STATE1

```
*** < PLS> PWATER state variables (in)
*** x - x      CEPS      SURS      UZS      IFWS      LZS      AGWS      GWVS
 101 125    0.01     0.01     0.3     0.01     1.5     0.01     0.01
END PWAT STATE1
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## MONITORING

MON-INTERCEP

\*\*\* <PLS > Interception storage capacity at start of each month (in)

	x - x	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
101		0.06	0.06	0.06	0.06	0.01	0.2	0.2	0.2	0.2	0.15	0.1	0.06
102	104	0.04	0.04	0.04	0.02	0.1	0.2	0.2	0.2	0.2	0.15	0.06	0.04
105		0.03	0.03	0.03	0.03	0.03	0.1	0.1	0.1	0.1	0.03	0.03	0.03
106		0.06	0.06	0.06	0.06	0.01	0.25	0.25	0.25	0.25	0.15	0.1	0.06
107	109	0.04	0.04	0.04	0.02	0.1	0.2	0.2	0.2	0.2	0.15	0.06	0.04
110		0.03	0.03	0.03	0.03	0.03	0.1	0.1	0.1	0.1	0.03	0.03	0.03
111		0.06	0.06	0.06	0.06	0.01	0.25	0.25	0.25	0.25	0.15	0.1	0.06
112	114	0.04	0.04	0.04	0.02	0.1	0.2	0.2	0.2	0.2	0.15	0.06	0.04
115		0.03	0.03	0.03	0.03	0.03	0.1	0.1	0.1	0.1	0.03	0.03	0.03
116		0.06	0.06	0.06	0.06	0.01	0.25	0.25	0.25	0.25	0.15	0.1	0.06
117	119	0.04	0.04	0.04	0.02	0.1	0.2	0.2	0.2	0.2	0.15	0.06	0.04
120		0.03	0.03	0.03	0.03	0.03	0.1	0.1	0.1	0.1	0.03	0.03	0.03
121		0.06	0.06	0.06	0.06	0.01	0.25	0.25	0.25	0.25	0.15	0.1	0.06
122	124	0.04	0.04	0.04	0.02	0.1	0.2	0.2	0.2	0.2	0.15	0.06	0.04
125		0.03	0.03	0.03	0.03	0.03	0.1	0.1	0.1	0.1	0.03	0.03	0.03

END MON-INTERCEP

## MON-UZSN

\*\*\* <PLS > Upper zone storage at start of each month (inches)

\*\*\* x - x JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC

	101	102	999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
103	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
104	107-	999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
108		0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
109	112-	999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
113		0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
114	117-	999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
118		0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
119	122-	999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.
123		0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
124	125-	999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.	-999.

END MON-UZSN

## MON-LZETPARM

\*\*\* <PLS > Lower zone evapotransp parm at start of each month

\*\*\* x - x JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC

	101	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3
102	104	0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.4	0.3	0.2
105		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
106		0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3
107	109	0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.4	0.3	0.2
110		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
111		0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3
112	114	0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.4	0.3	0.2
115		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
116		0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3
117	119	0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.4	0.3	0.2
120		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
121		0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3
122	124	0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.4	0.3	0.2
125		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

END MON-LZETPARM

## NQUALS

\*\*\* <PLS >

\*\*\* x - xNQUAL

	101	125	1
END NQUALS			

## QUAL-PROPS

\*\*\* <PLS > Identifiers and Flags

\*\*\* x - x QUALID QTID QSD VPFW VPFS QSO VQO QIFW VIQC QAGW VAQC

	101	125F.COLIFORM	#ORG	0	0	0	1	1	0	0	0	0
END QUAL-PROPS												

## QUAL-INPUT

\*\*\* Storage on surface and nonseasonal parameters

\*\*\* SQO POTFW POTFS ACQOP SQOLIM WSQOP IOQC AOQC

\*\*\* <PLS > qty/ac qty/ton qty/ton qty/ qty/ac in/hr qty/ft<sup>3</sup> qty/ft<sup>3</sup>

\*\*\* x - x ac.day

	101	100	0	0	0	1E+08	0.3	0	0
102	100	0	0	0	0	1E+08	0.1	0	0
103	1000	0	0	0	0	1E+08	0.3	0	0
104	100	0	0	0	0	1E+08	0.01	0	0
105	500	0	0	0	0	1E+08	0.1	0	0
106	100	0	0	0	0	1E+08	0.3	0	0
107	100	0	0	0	0	1E+08	0.1	0	0
108	1000	0	0	0	0	1E+08	0.3	0	0
109	100	0	0	0	0	1E+08	0.01	0	0
110	500	0	0	0	0	1E+08	0.1	0	0
111	100	0	0	0	0	1E+08	0.3	0	0
112	100	0	0	0	0	1E+08	0.1	0	0
113	1000	0	0	0	0	1E+08	0.3	0	0

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114      100    0    0    0   1E+08    0.01    0    0
115      500    0    0    0   1E+08    0.1     0    0
116      100    0    0    0   1E+08    0.3     0    0
117      100    0    0    0   1E+08    0.1     0    0
118     1000    0    0    0   1E+08    0.3     0    0
119      100    0    0    0   1E+08    0.01    0    0
120      500    0    0    0   1E+08    0.1     0    0
121      100    0    0    0   1E+08    0.3     0    0
122      100    0    0    0   1E+08    0.1     0    0
123     1000    0    0    0   1E+08    0.3     0    0
124      100    0    0    0   1E+08    0.1     0    0
125      500    0    0    0   1E+08    0.1     0    0
END QUAL-INPUT

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#### MON-ACCUM

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*** <PLS > Value at start of each month for accum rate of QUALOF (lb/ac.day)
*** x - x JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
101 1.3e91.3e91.3e91.3e91.3e91.3e91.3e91.3e91.3e91.3e9
102 4.4e94.4e94.4e94.4e94.4e94.3e94.3e94.3e94.4e94.4e94.4e9
103 1.3e91.3e91.8e9  0.1.8e91.3e91.3e91.3e91.3e91.8e91.8e91.3e9
104 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
105 2.e6 2.e6
106 1.3e91.3e91.3e91.3e91.3e91.3e91.3e91.3e91.3e91.3e91.3e91.3e9
107 2.6e92.6e92.6e92.9e92.9e92.6e92.6e92.6e92.6e92.9e92.9e92.6e9
108 1.3e91.3e91.4e91.4e91.4e91.3e91.3e91.3e91.3e91.4e91.4e91.3e9
109 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
110 2.e6 2.e6
111 1.3e91.3e91.3e91.3e91.3e91.3e91.3e91.3e91.3e91.3e91.3e91.3e9
112 6.5e96.5e96.5e96.5e96.5e96.3e96.3e96.3e96.3e96.5e96.5e96.5e9
113 1.3e91.3e91.3e91.3e91.3e91.3e91.3e91.3e91.3e91.3e91.3e91.3e9
114 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
115 2.e6 2.e6
116 1.3e91.3e91.3e91.3e91.3e91.3e91.3e91.3e91.3e91.3e91.3e91.3e9
117 7.8e97.8e97.8e98.2e98.1e97.6e97.6e97.6e98.1e98.2e97.8e9
118 1.3e91.3e96.7e97E+086.7e91.3e91.3e91.3e91.3e96.7e97E+081.3e9
119 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
120 2.e6 2.e6
121 1.3e91.3e91.3e91.3e91.3e91.3e91.3e91.3e91.3e91.3e91.3e91.3e9
122 2.6e92.6e92.6e92.6e92.6e92.6e92.6e92.6e92.6e92.6e92.6e92.6e9
123 1.3e91.3e92E+08 0.2E+081.3e91.3e91.3e91.3e92E+082E+081.3e9
124 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
125 2.e6 2.e6
END MON-ACCUM

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#### MON-SQOLIM

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*** <PLS > Value at start of month for limiting storage of QUALOF (lb/ac)
*** x - x JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
101 2.3e92.3e92.3e92.3e92.3e92.3e92.3e92.3e92.3e92.3e92.3e9
102 8E+098E+098E+096.6e96.6e96.5e96.5e96.5e96.5e97.9e97.9e97.9e9
103 2.4e92.4e93.2e92.7e92.7e92E+092E+092E+092E+093.2e93.2e92.4e9
104 2.8e72.8e72.8e72.3e72.3e72.3e72.3e72.3e72.3e72.8e72.8e72.8e7
105 3.6e63.6e63.6e63.6e63.6e63.6e63.6e63.6e63.6e63.6e63.6e63.6e6
106 2.3e92.3e92.3e92.3e92.3e92.3e92.3e92.3e92.3e92.3e92.3e92.3e9
107 4.6e94.6e94.6e94.3e94.3e93.9e93.9e93.9e93.9e93.9e95.2e95.2e95.2e9
108 2.4e92.4e92.3e92E+092E+092E+092E+092E+092.4e92.4e92.4e92.4e9
109 2.8e72.8e72.8e72.3e72.3e72.3e72.3e72.3e72.8e72.8e72.8e7
110 3.5e63.6e63.6e63.6e63.6e63.6e63.6e63.6e63.6e63.6e63.6e63.6e6
111 2.3e92.3e92.3e92.3e92.3e92.3e92.3e92.3e92.3e92.3e92.3e92.3e9
112 2E+102E+102E+109.8e99.8e99.4e99.4e99.4e99.4e92E+102E+102E+10
113 2.4e92.4e93.5e93E+093E+092E+092E+092E+093.5e93.6e92.4e9
114 2.8e72.8e72.8e72.3e72.3e72.3e72.3e72.3e72.8e72.8e72.8e7
115 3.6e63.6e63.6e63.6e63.6e63.6e63.6e63.6e63.6e63.6e63.6e63.6e6
116 2.3e92.3e92.3e92.3e92.3e92.3e92.3e92.3e92.3e92.3e92.3e92.3e9
117 2E+102E+102E+102E+102E+102E+102E+102E+102E+102E+102E+102E+102E+10
118 2.4e92.4e92E+102E+102E+102E+092E+092E+092E+102E+102.4e9
119 2.8e72.8e72.8e72.3e72.3e72.3e72.3e72.8e72.8e72.8e7

```

```

120      3.6e63.6e63.6e63.6e63.6e63.6e63.6e63.6e63.6e63.6e63.6e6
121      2.3e92.3e92.3e92.3e92.3e92.3e92.3e92.3e92.3e92.3e92.3e9
122      4.7e94.7e94.7e94E+094E+093.8e93.9e93.9e93.9e94.7e94.7e94.7e9
123      2.4e92.4e92.6e92.2e92E+092E+092E+092E+092.6e93E+092.4e9
124      2.8e72.8e72.8e72.3e72.3e72.3e72.3e72.3e72.8e72.8e72.8e7
125      3.6e63.6e63.6e63.6e63.6e63.6e63.6e63.6e63.6e63.6e63.6e6
END MON-SQOLIM

```

#### MON-IFLW-CONC

```

*** <PLS > Conc of QUAL in interflow outflow for each month (qty/ft3)
*** x - x JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
101 1021000010000100001000010000100001000010000100001000010000
103 4.e5 4.e5
104 200. 200. 200. 200. 200. 200. 200. 200. 200. 200. 200. 200.
105 1.7e51.7e51.7e51.7e51.7e51.7e51.7e51.7e51.7e51.7e51.7e51.7e5
106 107100001000010000100001000010000100001000010000100001000010000
108 4.e5 4.e5
109 200. 200. 200. 200. 200. 200. 200. 200. 200. 200. 200. 200.
110 1.7e51.7e51.7e51.7e51.7e51.7e51.7e51.7e51.7e51.7e51.7e51.7e5
111 112100001000010000100001000010000100001000010000100001000010000
113 4.e5 4.e5
114 200. 200. 200. 200. 200. 200. 200. 200. 200. 200. 200. 200.
115 1.7e51.7e51.7e51.7e51.7e51.7e51.7e51.7e51.7e51.7e51.7e51.7e5
116 117100001000010000100001000010000100001000010000100001000010000
118 4.e5 4.e5
119 200. 200. 200. 200. 200. 200. 200. 200. 200. 200. 200. 200.
120 1.7e51.7e51.7e51.7e51.7e51.7e51.7e51.7e51.7e51.7e51.7e51.7e5
121 122100001000010000100001000010000100001000010000100001000010000
123 4.e5 4.e5
124 200. 200. 200. 200. 200. 200. 200. 200. 200. 200. 200. 200.
125 1.7e51.7e51.7e51.7e51.7e51.7e51.7e51.7e51.7e51.7e51.7e51.7e5
END MON-IFLW-CONC

```

#### MON-GRND-CONC

```

*** <PLS > Value at start of month for conc of QUAL in groundwater (qty/ft3)
*** x - x JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
101 1029800098000980009800098000980009800098000980009800098000
103 1.9e61.9e61.9e61.9e61.9e61.9e61.9e61.9e61.9e61.9e61.9e61.9e6
104 100. 100. 100. 100. 100. 100. 100. 100. 100. 100. 100. 100.
105 1.4e51.4e51.4e51.4e51.4e51.4e51.4e51.4e51.4e51.4e51.4e51.4e5
106 107980009800098000980009800098000980009800098000980009800098000
108 1.9e61.9e61.9e61.9e61.9e61.9e61.9e61.9e61.9e61.9e61.9e61.9e6
109 100. 100. 100. 100. 100. 100. 100. 100. 100. 100. 100. 100.
110 1.4e51.4e51.4e51.4e51.4e51.4e51.4e51.4e51.4e51.4e51.4e51.4e5
111 112980009800098000980009800098000980009800098000980009800098000
113 1.9e61.9e61.9e61.9e61.9e61.9e61.9e61.9e61.9e61.9e61.9e61.9e6
114 100. 100. 100. 100. 100. 100. 100. 100. 100. 100. 100. 100.
115 1.4e51.4e51.4e51.4e51.4e51.4e51.4e51.4e51.4e51.4e51.4e51.4e5
116 117980009800098000980009800098000980009800098000980009800098000
118 1.9e61.9e61.9e61.9e61.9e61.9e61.9e61.9e61.9e61.9e61.9e61.9e6
119 100. 100. 100. 100. 100. 100. 100. 100. 100. 100. 100. 100.
120 1.4e51.4e51.4e51.4e51.4e51.4e51.4e51.4e51.4e51.4e51.4e51.4e5
121 122980009800098000980009800098000980009800098000980009800098000
123 1.9e61.9e61.9e61.9e61.9e61.9e61.9e61.9e61.9e61.9e61.9e61.9e6
124 100. 100. 100. 100. 100. 100. 100. 100. 100. 100. 100. 100.
125 1.4e51.4e51.4e51.4e51.4e51.4e51.4e51.4e51.4e51.4e51.4e51.4e5
END MON-GRND-CONC

```

```
END PERLND
```

```

IMPLND
ACTIVITY
*** <ILS > Active Sections
*** x - x ATMP SNOW IWAT SLD IWG IQAL
101 105 0 0 1 0 0 1
END ACTIVITY

```

```

PRINT-INFO
*** <ILS > ***** Print-flags ***** PIVL PYR
*** x - x ATMP SNOW IWAT SLD IWG IQAL *****
 101 105 4 4 4 4 4 1 9
END PRINT-INFO

GEN-INFO
*** Name Unit-systems Printer BinaryOut
*** <ILS > t-series Engl Metr Engl Metr
*** x - x in out
 101 105 Urban or Built-up La 1 1 0 0 0 0
END GEN-INFO

ATEMP-DAT
*** <ILS > ELDAT AIRTEMP
*** x - x (ft) (deg F)
 101 105 -50. 60.
END ATEMP-DAT

ICE-FLAG
*** <ILS > Ice-
*** x - x flag
 101 105 1
END ICE-FLAG

SNOW-FLAGS
*** <ILS >
*** x - x SNOP VKM
 101 105 1 0
END SNOW-FLAGS

SNOW-PARM1
*** < ILS> LAT MELEV SHADE SNOWCF COVIND KMELT TBASE
*** x - x degrees (ft) (in) (in/d.F) (F)
 101 105 40.5 700. 0.3 1.2 1. 0. 32.
END SNOW-PARM1

SNOW-PARM2
*** <ILS > RDMSN TSNOW SNOEVP CCFACT MWATER MGMELT
*** x - x (deg F) (deg F) (in/day)
 101 105 0.14 32. 0.05 1. 0.03 0.01
END SNOW-PARM2

MON-MELT-FAC
*** <ILS > Degree-day snowmelt factor at start of each month (in/d.F)
*** x - x JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
 101 105 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
END MON-MELT-FAC

SNOW-INIT1
*** <ILS > Pack-snow Pack-ice Pack-watr RDENPF DULL PAKTMP
*** x - x (in) (in) (in) (deg F)
 101 105 0. 0. 0. 0.01 0. 32.
END SNOW-INIT1

SNOW-INIT2
*** <ILS > COVINX XLNMLT SKYCLR
*** x - x (in) (in)
 101 105 0.01 0. 0.5
END SNOW-INIT2

IWAT-PARM1
*** <ILS > Flags
*** x - x CSNO RTOP VRS VNN RTLI
 101 105 0 0 0 0 0

```

```
END IWAT-PARM1
```

#### IWAT-PARM2

```
*** <ILS > LSUR SLSUR NSUR RETSC
*** x - x (ft) (in)
101 105 150. 0.1587 0.05 0.1
END IWAT-PARM2
```

#### IWAT-PARM3

```
*** <ILS > PETMAX PETMIN
*** x - x (deg F) (deg F)
101 105 40. 35.
END IWAT-PARM3
```

#### IWAT-STATE1

```
*** <ILS > IWATER state variables (inches)
*** x - x RETS SURS
101 105 0.01 0.01
END IWAT-STATE1
```

#### NQUALS

```
*** <ILS >
*** x - xNQUAL
101 105 1
END NQUALS
```

#### QUAL-PROPS

```
*** <ILS > Identifiers and Flags
*** x - x QUALID QTID QSD VPFW QSO VQO
101 105F.COLIFORM #ORG 0 0 1 0
END QUAL-PROPS
```

#### QUAL-INPUT

```
*** Storage on surface and nonseasonal parameters
*** SQO POTFW ACQOP SQOLIM WSQOP
*** <ILS > qty/ac qty/ton qty/ ac.in/hr
*** x - x ac.day
101 105 6.2E+08 0. 0. 4.8E+09 0.46
END QUAL-INPUT
```

```
END IMPLND
```

#### RCHRES

##### ACTIVITY

```
*** RCHRES Active sections
*** x - x HYFG ADFG CNFG HTFG SDFG GQFG OXFG NUFG PKFG PHFG
1 36 1 1 0 0 0 1 0 0 0 0 0
END ACTIVITY
```

#### PRINT-INFO

```
*** RCHRES Printout level flags
*** x - x HYDR ADCA CONS HEAT SED GQL OXRX NUTR PLNK PHCB PIVL PYR
1 36 4 4 4 4 4 4 4 4 4 4 1 9
END PRINT-INFO
```

#### GEN-INFO

```
*** Name Nexits Unit Systems Printer
*** RCHRES t-series Engl Metr LKFG
*** x - x in out
1 36 1 1 91 0 0 0 0
END GEN-INFO
```

#### HYDR-PARM1

```
*** Flags for HYDR section
*** RC HRES VC A1 A2 A3 ODFVFG for each *** ODGTFG for each FUNCT for each
*** x - x FG FG FG FG possible exit *** possible exit possible exit
```

1 36 0 1 1 1 4 0 0 0 0 0 0 0 0 1 1 1 1 1  
END HYDR-PARM1

HYDR-PARM2

*** RCHRES FTBW FTBU	LEN	DELTH	STCOR	KS	DB50
*** x - x	(miles)	(ft)	(ft)		(in)
1 0. 1.	1.59	38.	3.2	0.5	0.01
2 0. 2.	3.16	108.	3.2	0.5	0.01
3 0. 3.	0.65	48.	3.2	0.5	0.01
4 0. 4.	1.4	32.	3.2	0.5	0.01
5 0. 5.	0.78	48.	3.2	0.5	0.01
6 0. 6.	0.48	16.	3.2	0.5	0.01
7 0. 7.	0.46	30.	3.2	0.5	0.01
8 0. 8.	0.2	13.	3.2	0.5	0.01
9 0. 9.	0.28	22.	3.2	0.5	0.01
10 0. 10.	0.97	67.	3.2	0.5	0.01
11 0. 11.	0.89	32.	3.2	0.5	0.01
12 0. 12.	1.98	196.	3.2	0.5	0.01
13 0. 13.	0.12	0.	3.2	0.5	0.01
14 0. 14.	1.71	11.	3.2	0.5	0.01
15 0. 15.	1.37	16.	3.2	0.5	0.01
16 0. 16.	2.24	129.	3.2	0.5	0.01
17 0. 17.	1.53	38.	3.2	0.5	0.01
18 0. 18.	0.76	59.	3.2	0.5	0.01
19 0. 19.	1.2	43.	3.2	0.5	0.01
20 0. 20.	1.28	113.	3.2	0.5	0.01
21 0. 21.	1.21	112.	3.2	0.5	0.01
22 0. 22.	1.18	16.	3.2	0.5	0.01
23 0. 23.	0.75	26.	3.2	0.5	0.01
24 0. 24.	2.01	266.	3.2	0.5	0.01
25 0. 25.	2.25	259.	3.2	0.5	0.01
26 0. 26.	2.15	59.	3.2	0.5	0.01
27 0. 27.	1.36	62.	3.2	0.5	0.01
28 0. 28.	2.71	157.	3.2	0.5	0.01
29 0. 29.	5.27	95.	3.2	0.5	0.01
30 0. 30.	6.11	420.	3.2	0.5	0.01
31 0. 31.	1.12	27.	3.2	0.5	0.01
32 0. 32.	0.21	19.	3.2	0.5	0.01
33 0. 33.	0.21	25.	3.2	0.5	0.01
34 0. 34.	0.24	7.	3.2	0.5	0.01
35 0. 35.	0.27	13.	3.2	0.5	0.01
36 0. 36.	0.36	0.	3.2	0.5	0.01

END HYDR-PARM2

HYDR-INIT

***	Initial conditions for HYDR section					
***RC HRES	VOL	CAT	Initial value of COLIND	initial value of OUTDGT		
*** x - x	ac-ft	for each possible exit	for each possible exit,ft3			
1 36	0.01	4.2 4.5 4.5 4.5 4.2	2.1 1.2 0.5 1.2 1.8			

END HYDR-INIT

GQ-GENDATA

*** RCHRES NGQL TPFG PHFG ROFG CDFG SDFG PYFG	LAT
*** x - x	deg
1 36 1 2 2 2 2 2 2 0	

END GQ-GENDATA

GQ-QALDATA

*** RCHRES	GQID	DQAL	CONCID	CONV	QTYID
*** x - x		concid			
1 36ECOLI		50.	OR/L	0.0353	#ORG

GQ-QALFG

*** RCHRES HDRL OXID PHOT VOLT BIOD GEN SDAS
*** x - x

1 36 0 0 0 0 0 1 0  
END GQ-QALFG

GQ-GENDECAY  
\*\*\* RCHRES FSTDEC THFST  
\*\*\* x - x (/day)  
1 36 0.8 1.1  
END GQ-GENDECAY

END RCHRES

FTABLES

FTABLE 5  
rows cols \*\*\*  
8 4  
depth area volume outflowl \*\*\*  
0. 0.5 0. 0.  
0.08 0.51 0.04 0.42  
0.78 0.58 0.42 19.37  
0.98 0.72 0.54 28.12  
1.22 1.83 0.98 37.5  
1.47 1.88 1.43 69.22  
25.16 7.16 108.59 37025.94  
48.85 12.44 340.75 171335.36  
END FTABLE 5

FTABLE 2  
rows cols \*\*\*  
8 4  
depth area volume outflowl \*\*\*  
0. 7.16 0. 0.  
0.12 7.26 0.9 1.39  
1.25 8.12 9.53 64.02  
1.56 9.55 12.09 92.86  
1.95 25.19 21.79 121.58  
2.34 25.78 31.72 223.49  
40.14 83.77 2102.4 106152.88  
77.94 141.76 6365.04 470254.69  
END FTABLE 2

FTABLE 11  
rows cols \*\*\*  
8 4  
depth area volume outflowl \*\*\*  
0. 3.26 0. 0.  
0.3 3.29 0.99 9.53  
3.03 3.53 10.28 439.83  
3.79 3.93 12.97 637.48  
4.73 10.81 23.12 814.2  
5.68 10.98 33.44 1488.53  
97.5 27.14 1783.38 591899.81  
189.32 43.3 5017.42 2407669.5  
END FTABLE 11

FTABLE 6  
rows cols \*\*\*  
8 4  
depth area volume outflowl \*\*\*  
0. 1.31 0. 0.  
0.12 1.33 0.15 1.62  
1.16 1.49 1.62 74.52  
1.45 1.77 2.06 108.09  
1.81 4.63 3.72 141.9  
2.17 4.75 5.41 261.  
37.27 15.81 366.17 126192.59

72.36 26.87 1115.14 563004.38

END FTABLE 6

FTABLE 7

rows cols \*\*\*  
8 4  
depth area volume outflowl \*\*\*  
0. 0.49 0. 0.  
0.11 0.5 0.05 1.26  
1.07 0.56 0.56 58.05  
1.33 0.67 0.71 84.21  
1.66 1.75 1.29 110.89  
2. 1.79 1.88 204.1  
34.29 6.14 130.03 100712.87  
66.58 10.49 398.56 452873.5

END FTABLE 7

FTABLE 18

rows cols \*\*\*  
8 4  
depth area volume outflowl \*\*\*  
0. 3.76 0. 0.  
0.1 3.81 0.39 0.98  
1.03 4.32 4.16 45.13  
1.29 5.16 5.3 65.48  
1.61 13.44 9.57 86.32  
1.93 13.79 13.96 158.93  
33.2 47.69 975.22 79048.95  
64.47 81.6 2996.67 356522.59

END FTABLE 18

FTABLE 8

rows cols \*\*\*  
8 4  
depth area volume outflowl \*\*\*  
0. 0.23 0. 0.  
0.08 0.24 0.02 0.5  
0.82 0.27 0.21 23.04  
1.02 0.33 0.27 33.45  
1.28 0.86 0.48 44.51  
1.54 0.88 0.71 82.12  
26.38 3.3 52.74 43369.79  
51.23 5.73 164.93 199829.44

END FTABLE 8

FTABLE 9

rows cols \*\*\*  
8 4  
depth area volume outflowl \*\*\*  
0. 14.36 0. 0.  
0.33 14.47 4.76 26.2  
3.3 15.48 49.24 1210.05  
4.13 17.16 62.13 1753.79  
5.16 47.42 110.68 2235.8  
6.19 48.12 159.96 4085.91  
106.25 116.09 8375.461601995.63  
206.31 184.07 23392.69 6463532.

END FTABLE 9

FTABLE 20

rows cols \*\*\*  
8 4  
depth area volume outflowl \*\*\*  
0. 2.89 0. 0.  
0.09 2.93 0.27 0.96  
0.94 3.34 2.94 44.5

1.18	4.02	3.74	64.57
1.48	10.42	6.78	85.42
1.77	10.7	9.9	157.4
30.41	38.13	709.04	80072.72
59.04	65.56	2193.64	364147.03

END FTABLE 20

FTABLE 12

rows	cols	***				
8	4	depth	area	volume	outflow1	***
0.	6.04	0.	0.	0.	0.	0.
0.17	6.11	1.01	1.5			
1.66	6.73	10.59	69.05			
2.07	7.76	13.42	100.11			
2.59	20.79	24.08	129.87			
3.11	21.22	34.96	238.24			
53.37	62.93	2149.78	106179.91			
103.63	104.64	6360.75	457699.72			

END FTABLE 12

FTABLE 21

rows	cols	***				
8	4	depth	area	volume	outflow1	***
0.	12.59	0.	0.	0.	0.	0.
0.29	12.69	3.62	17.14			
2.86	13.65	37.55	791.48			
3.58	15.24	47.41	1147.17			
4.47	41.88	84.57	1467.07			
5.37	42.54	122.32	2682.85			
92.12	106.91	6605.41077064.75				
178.88	171.28	18673.24	4404908.5			

END FTABLE 21

FTABLE 3

rows	cols	***				
8	4	depth	area	volume	outflow1	***
0.	12.97	0.	0.	0.	0.	0.
0.36	13.06	4.64	34.22			
3.57	13.94	47.97	1580.45			
4.46	15.39	60.51	2290.61			
5.57	42.66	107.71	2915.45			
6.69	43.27	155.6	5326.15			
114.79	102.15	8016.042062898.88				
222.9	161.04	22242.41	8262730.			

END FTABLE 3

FTABLE 24

rows	cols	***				
8	4	depth	area	volume	outflow1	***
0.	1.99	0.	0.	0.	0.	0.
0.1	2.02	0.2	1.04			
0.98	2.29	2.1	47.75			
1.23	2.75	2.67	69.29			
1.54	7.14	4.84	91.52			
1.84	7.33	7.06	168.57			
31.63	25.76	499.85	84886.69			
61.42	44.19	1541.73	384609.47			

END FTABLE 24

FTABLE 16

rows	cols	***				
8	4	depth	area	volume	outflow1	***

depth	area	volume	outflow1	***
0.	0.61	0.	0.	
0.09	0.62	0.05	0.42	
0.86	0.71	0.57	19.48	
1.08	0.86	0.72	28.27	
1.35	2.2	1.31	37.54	
1.62	2.27	1.91	69.23	
27.83	8.32	140.66	36045.24	
54.04	14.38	438.1	165276.03	

END FTABLE 16

FTABLE	10	rows	cols	***
8	4			
depth	area	volume	outflow1	***
0.	1.07	0.	0.	
0.3	1.08	0.33	9.53	
3.03	1.16	3.38	439.95	
3.79	1.29	4.27	637.66	
4.73	3.56	7.61	814.43	
5.68	3.61	11.01	1488.96	
97.51	8.93	587.14	592066.81	
189.34	14.26	1651.882408348.25		

END FTABLE 10

FTABLE	14	rows	cols	***
8	4			
depth	area	volume	outflow1	***
0.	0.94	0.	0.	
0.08	0.95	0.08	0.52	
0.84	1.1	0.85	23.87	
1.05	1.33	1.09	34.65	
1.31	3.43	1.97	46.07	
1.57	3.53	2.88	84.98	
26.96	13.08	213.73	44612.25	
52.36	22.64	667.22	205137.84	

END FTABLE 14

FTABLE	28	rows	cols	***
8	4			
depth	area	volume	outflow1	***
0.	4.01	0.	0.	
0.11	4.07	0.43	1.57	
1.07	4.59	4.61	72.34	
1.34	5.47	5.86	104.95	
1.68	14.29	10.59	138.16	
2.01	14.65	15.44	254.28	
34.51	50.04	1066.68	125263.85	
67.01	85.42	3267.92	562912.81	

END FTABLE 28

FTABLE	25	rows	cols	***
8	4			
depth	area	volume	outflow1	***
0.	4.76	0.	0.	
0.24	4.8	1.16	11.94	
2.42	5.2	12.05	551.08	
3.03	5.86	15.23	798.79	
3.78	15.98	27.22	1025.62	
4.54	16.26	39.41	1877.19	
77.91	42.92	2210.34	776335.31	
151.29	69.58	6337.6	3226482.	

END FTABLE 25

FTABLE 30  
 rows cols \*\*\*  
 8 4  
 depth area volume outflowl \*\*\*  
 0. 1.08 0. 0.  
 0.19 1.09 0.21 4.97  
 1.92 1.19 2.18 229.14  
 2.4 1.36 2.76 332.18  
 3. 3.68 4.95 429.12  
 3.6 3.75 7.17 786.46  
 61.78 10.62 425.21 340056.75  
 119.97 17.49 1243.011445264.88  
 END FTABLE 30

FTABLE 29  
 rows cols \*\*\*  
 8 4  
 depth area volume outflowl \*\*\*  
 0. 8.25 0. 0.  
 0.26 8.32 2.14 9.26  
 2.58 8.98 22.24 427.55  
 3.23 10.09 28.1 619.71  
 4.03 27.6 50.18 794.44  
 4.84 28.06 72.62 1453.57  
 83.09 72.68 4013.75 594193.5  
 161.34 117.3 11446.312454281.75  
 END FTABLE 29

FTABLE 34  
 rows cols \*\*\*  
 8 4  
 depth area volume outflowl \*\*\*  
 0. 16.12 0. 0.  
 0.14 16.32 2.23 2.71  
 1.38 18.16 23.58 125.11  
 1.72 21.21 29.91 181.44  
 2.15 56.25 53.83 236.77  
 2.58 57.52 78.29 434.91  
 44.29 181. 5052.59 201926.52  
 86. 304.48 15177.07 886155.  
 END FTABLE 34

FTABLE 26  
 rows cols \*\*\*  
 8 4  
 depth area volume outflowl \*\*\*  
 0. 1.73 0. 0.  
 0.24 1.75 0.42 13.78  
 2.41 1.89 4.37 636.11  
 3.01 2.13 5.52 922.04  
 3.77 5.82 9.87 1183.98  
 4.52 5.92 14.3 2167.06  
 77.62 15.65 802.5 896801.69  
 150.72 25.37 2301.66 3728427.5  
 END FTABLE 26

FTABLE 27  
 rows cols \*\*\*  
 8 4  
 depth area volume outflowl \*\*\*  
 0. 1.6 0. 0.  
 0.09 1.62 0.14 0.76  
 0.89 1.86 1.53 34.98  
 1.11 2.25 1.95 50.77  
 1.39 5.8 3.54 67.33

1.66	5.96	5.17	124.13
28.55	21.69	376.92	64186.03
55.43	37.43	1171.66	293594.81

END FTABLE 27

FTABLE 35

rows	cols	***				
8	4	depth	area	volume	outflow1	***
0.	5.14	0.	0.	0.	0.	0.
0.11	5.22	0.58	1.26			
1.11	5.88	6.14	58.09			
1.39	6.98	7.8	84.26			
1.74	18.27	14.09	110.77			
2.09	18.73	20.53	203.8			
35.86	63.16	1403.43	99454.28			
69.64	107.58	4286.76	445317.			

END FTABLE 35

FTABLE 23

rows	cols	***				
8	4	depth	area	volume	outflow1	***
0.	8.95	0.	0.	0.	0.	0.
0.27	9.03	2.42	16.93			
2.69	9.74	25.12	781.42			
3.36	10.91	31.73	1132.61			
4.2	29.89	56.63	1450.57			
5.04	30.38	81.94	2653.52			
86.52	77.76	4487.55	1076983.5			
168.	125.15	12753.92	4431209.5			

END FTABLE 23

FTABLE 22

rows	cols	***				
8	4	depth	area	volume	outflow1	***
0.	1.53	0.	0.	0.	0.	0.
0.27	1.55	0.41	29.51			
2.65	1.67	4.24	1362.04			
3.31	1.87	5.36	1974.2			
4.14	5.12	9.57	2529.21			
4.97	5.21	13.85	4626.96			
85.36	13.38	760.71882358.38				
165.74	21.55	2164.41	7754818.5			

END FTABLE 22

FTABLE 33

rows	cols	***				
8	4	depth	area	volume	outflow1	***
0.	3.38	0.	0.	0.	0.	0.
0.1	3.43	0.35	1.49			
1.03	3.88	3.75	68.55			
1.29	4.63	4.76	99.46			
1.61	12.08	8.61	131.12			
1.94	12.39	12.56	241.4			
33.24	42.86	877.26	120047.8			
64.53	73.33	2695.5	541396.63			

END FTABLE 33

FTABLE 19

rows	cols	***				
8	4	depth	area	volume	outflow1	***
0.	0.84	0.	0.	0.	0.	0.

0.08	0.86	0.07	0.48
0.79	0.99	0.73	22.22
0.99	1.21	0.93	32.26
1.24	3.1	1.68	42.99
1.49	3.19	2.46	79.35
25.51	12.07	185.82	42297.38
49.53	20.96	582.56	195503.67

END FTABLE 19

FTABLE 17

rows cols	***				
8 4	depth	area	volume	outflow1	***
0.	11.77	0.	0.	0.	
0.29	11.87	3.47	12.92		
2.94	12.75	36.03	596.27		
3.67	14.22	45.49	864.23		
4.59	39.1	81.12	1104.56		
5.51	39.71	117.32	2019.66		
94.61	99.04	6298.56	807167.		
183.7	158.37	17765.86	3292745.5		

END FTABLE 17

FTABLE 15

rows cols	***				
8 4	depth	area	volume	outflow1	***
0.	1.27	0.	0.	0.	
0.09	1.29	0.12	0.55		
0.93	1.47	1.27	25.49		
1.16	1.77	1.62	36.99		
1.45	4.58	2.93	48.96		
1.74	4.71	4.28	90.23		
29.91	16.86	307.99	46098.44		
58.08	29.01	954.04	209962.34		

END FTABLE 15

FTABLE 36

rows cols	***				
8 4	depth	area	volume	outflow1	***
0.	15.34	0.	0.	0.	
0.15	15.53	2.26	1.7		
1.46	17.21	23.83	78.43		
1.83	20.02	30.22	113.73		
2.29	53.27	54.33	148.11		
2.75	54.44	78.98	271.94		
47.14	167.9	5014.14	124504.		
91.53	281.36	14986.24	543132.56		

END FTABLE 36

FTABLE 13

rows cols	***				
8 4	depth	area	volume	outflow1	***
0.	2.38	0.	0.	0.	
0.13	2.41	0.32	2.38		
1.32	2.69	3.34	109.63		
1.65	3.15	4.24	158.99		
2.06	8.34	7.64	207.77		
2.47	8.54	11.12	381.77		
42.43	27.24	725.91	179011.47		
82.39	45.94	2188.04	788834.5		

END FTABLE 13

FTABLE 4

```

rows cols          ***
8   4
depth    area    volume  outflowl ***
0.      17.21     0.       0.
0.34    17.34     5.92    29.92
3.42    18.53    61.19  1381.71
4.28    20.5     77.19  2002.57
5.35    56.73   137.46  2550.98
6.42    57.55   198.61  4661.15
110.23  137.43 10318.971816834.88
214.04  217.3   28730.99 7304911.5
END FTABLE 4

```

```

FTABLE      1
rows cols          ***
8   4
depth    area    volume  outflowl ***
0.      2.45     0.       0.
0.36    2.46     0.88    66.08
3.57    2.63     9.05   3051.94
4.46    2.9      11.42  4423.29
5.57    8.05    20.33  5629.84
6.69    8.16    29.36  10284.98
114.84  19.26   1512.44 3983164.
223.    30.37   4196.41 15953260.
END FTABLE 1

```

```

FTABLE      31
rows cols          ***
8   4
depth    area    volume  outflowl ***
0.      10.17     0.       0.
0.2     10.27    2.04    5.7
2.      11.21    21.37  263.23
2.5     12.78    27.03  381.6
3.12    34.55    48.41  492.41
3.75    35.2     70.19  902.23
64.33   98.49   4119.7 386986.03
124.91  161.77 12002.85 1638310.
END FTABLE 31

```

```

FTABLE      32
rows cols          ***
8   4
depth    area    volume  outflowl ***
0.      7.8      0.       0.
0.23    7.87    1.77    11.
2.26    8.54    18.49  507.71
2.83    9.66    23.38  735.94
3.54    26.28    41.8   946.53
4.24    26.75    60.55  1733.06
72.85   72.06   3449.84 725707.
141.45  117.36 9947.353035599.25
END FTABLE 32

```

```
END FTABLES
```

```

COPY
TIMESERIES
Copy-opn***
*** x - x NPT NMN
1   2   0   7
END TIMESERIES

```

```
END COPY
```

```
EXT SOURCES
```

<-Volume-> <Member> SsysSgap<--Mult-->Tran <-Target vols> <-Grp> <-Member-> \*\*\*
 <Name> x <Name> x tem strg<-factor->strg <Name> x x <Name> x x \*\*\*
 \*\*\* Met Seg 128999  
 WDM2 128 PREC ENGLZERO SAME PERLND 101 125 EXTNL PREC  
 WDM2 127 ATEM ENGL SAME PERLND 101 125 EXTNL GATMP  
 WDM2 130 PEVT ENGL SAME PERLND 101 125 EXTNL PETINP  
 \*\*\* Met Seg 128999  
 WDM2 128 PREC ENGLZERO SAME IMPLND 101 105 EXTNL PREC  
 WDM2 127 ATEM ENGL SAME IMPLND 101 105 EXTNL GATMP  
 WDM2 130 PEVT ENGL SAME IMPLND 101 105 EXTNL PETINP  
  
 WDM1 10 FLOW ENGL 0.0826 SAME RCHRES 11 INFLOW IVOL  
 WDM1 18 ECOL ENGL DIV RCHRES 11 INFLOW IDQAL  
 WDM1 7002 ECOL ENGL DIV RCHRES 11 INFLOW IDQAL  
 WDM1 9 FLOW ENGL 0.0826 SAME RCHRES 7 INFLOW IVOL  
 WDM1 17 ECOL ENGL DIV RCHRES 7 INFLOW IDQAL  
 WDM1 7004 ECOL ENGL DIV RCHRES 9 INFLOW IDQAL  
 WDM1 7 FLOW ENGL 0.0826 SAME RCHRES 12 INFLOW IVOL  
 WDM1 8 FLOW ENGL 0.0826 SAME RCHRES 12 INFLOW IVOL  
 WDM1 15 ECOL ENGL DIV RCHRES 12 INFLOW IDQAL  
 WDM1 16 ECOL ENGL DIV RCHRES 12 INFLOW IDQAL  
 WDM1 6 FLOW ENGL 0.0826 SAME RCHRES 24 INFLOW IVOL  
 WDM1 14 ECOL ENGL DIV RCHRES 24 INFLOW IDQAL  
 WDM1 12 FLOW ENGL 0.0826 SAME RCHRES 16 INFLOW IVOL  
 WDM1 20 ECOL ENGL DIV RCHRES 16 INFLOW IDQAL  
 WDM1 4 FLOW ENGL 0.0826 SAME RCHRES 10 INFLOW IVOL  
 WDM1 13 ECOL ENGL DIV RCHRES 10 INFLOW IDQAL  
 WDM1 11 FLOW ENGL 0.0826 SAME RCHRES 28 INFLOW IVOL  
 WDM1 19 ECOL ENGL DIV RCHRES 28 INFLOW IDQAL  
 WDM1 7007 ECOL ENGL DIV RCHRES 30 INFLOW IDQAL  
 WDM1 2 FLOW ENGL 0.0826 SAME RCHRES 26 INFLOW IVOL  
 WDM1 21 FLOW ENGL 0.0826 SAME RCHRES 26 INFLOW IVOL  
 WDM1 24 ECOL ENGL DIV RCHRES 26 INFLOW IDQAL  
 WDM1 7001 ECOL ENGL DIV RCHRES 26 INFLOW IDQAL  
 WDM1 7003 FLOW ENGL 0.0826 SAME RCHRES 26 INFLOW IVOL  
 WDM1 7008 ECOL ENGL DIV RCHRES 26 INFLOW IDQAL  
 WDM1 7009 ECOL ENGL DIV RCHRES 26 INFLOW IDQAL  
 WDM1 7006 ECOL ENGL DIV RCHRES 19 INFLOW IDQAL  
 WDM1 3 FLOW ENGL 0.0826 SAME RCHRES 15 INFLOW IVOL  
 WDM1 7005 ECOL ENGL DIV RCHRES 1 INFLOW IDQAL  
 END EXT SOURCES

#### SCHEMATIC

<-Volume->	<-Area-->	<-Volume->	<ML#>	***	<sb>
<Name> x	<-factor->	<Name> x	***	***	x x
PERLND 124		6	RCHRES	5	2
PERLND 125		161	RCHRES	5	2
IMPLND 105		161	RCHRES	5	1
PERLND 121		105	RCHRES	5	2
PERLND 122		29	RCHRES	5	2
PERLND 123		875	RCHRES	5	2
PERLND 124		21	RCHRES	2	2
PERLND 125		453	RCHRES	2	2
IMPLND 105		453	RCHRES	2	1
PERLND 121		1140	RCHRES	2	2
PERLND 122		143	RCHRES	2	2
PERLND 123		1401	RCHRES	2	2
PERLND 119		25	RCHRES	11	2
PERLND 120		45	RCHRES	11	2
IMPLND 104		45	RCHRES	11	1
PERLND 116		824	RCHRES	11	2
PERLND 117		130	RCHRES	11	2
PERLND 118		663	RCHRES	11	2
PERLND 124		7	RCHRES	6	2
PERLND 125		247	RCHRES	6	2
IMPLND 105		247	RCHRES	6	1

PERLND	121	225	RCHRES	6	2
PERLND	122	17	RCHRES	6	2
PERLND	123	702	RCHRES	6	2
PERLND	119	43	RCHRES	7	2
PERLND	120	53	RCHRES	7	2
IMPLND	104	53	RCHRES	7	1
PERLND	116	343	RCHRES	7	2
PERLND	117	48	RCHRES	7	2
PERLND	118	579	RCHRES	7	2
PERLND	114	12	RCHRES	18	2
PERLND	115	15	RCHRES	18	2
IMPLND	103	15	RCHRES	18	1
PERLND	111	637	RCHRES	18	2
PERLND	112	62	RCHRES	18	2
PERLND	113	417	RCHRES	18	2
PERLND	119	15	RCHRES	8	2
PERLND	120	29	RCHRES	8	2
IMPLND	104	29	RCHRES	8	1
PERLND	116	388	RCHRES	8	2
PERLND	117	59	RCHRES	8	2
PERLND	118	743	RCHRES	8	2
PERLND	119		RCHRES	9	2
PERLND	120		RCHRES	9	2
IMPLND	104		RCHRES	9	1
PERLND	116	27	RCHRES	9	2
PERLND	117	4	RCHRES	9	2
PERLND	118	15	RCHRES	9	2
RCHRES	7		RCHRES	9	3
RCHRES	8		RCHRES	9	3
PERLND	114	4	RCHRES	20	2
PERLND	115	27	RCHRES	20	2
IMPLND	103	27	RCHRES	20	1
PERLND	111	445	RCHRES	20	2
PERLND	112	86	RCHRES	20	2
PERLND	113	1403	RCHRES	20	2
PERLND	119	87	RCHRES	12	2
PERLND	120	142	RCHRES	12	2
IMPLND	104	142	RCHRES	12	1
PERLND	116	788	RCHRES	12	2
PERLND	117	119	RCHRES	12	2
PERLND	118	526	RCHRES	12	2
PERLND	114	21	RCHRES	21	2
PERLND	115	27	RCHRES	21	2
IMPLND	103	27	RCHRES	21	1
PERLND	111	477	RCHRES	21	2
PERLND	112	92	RCHRES	21	2
PERLND	113	899	RCHRES	21	2
PERLND	124		RCHRES	3	2
PERLND	125	14	RCHRES	3	2
IMPLND	105	14	RCHRES	3	1
PERLND	111	64	RCHRES	3	2
PERLND	123	121	RCHRES	3	2
RCHRES	5		RCHRES	3	3
RCHRES	6		RCHRES	3	3
PERLND	114	238	RCHRES	24	2
PERLND	115	201	RCHRES	24	2
IMPLND	103	201	RCHRES	24	1
PERLND	111	711	RCHRES	24	2
PERLND	112	66	RCHRES	24	2
PERLND	113	838	RCHRES	24	2
PERLND	114	21	RCHRES	16	2
PERLND	115	81	RCHRES	16	2
IMPLND	103	81	RCHRES	16	1
PERLND	111	1002	RCHRES	16	2
PERLND	112	191	RCHRES	16	2
PERLND	113	871	RCHRES	16	2

PERLND	114	9	RCHRES	10	2
PERLND	115	64	RCHRES	10	2
IMPLND	103	64	RCHRES	10	1
PERLND	111	177	RCHRES	10	2
PERLND	112	48	RCHRES	10	2
PERLND	113	251	RCHRES	10	2
RCHRES	11		RCHRES	10	3
RCHRES	12		RCHRES	10	3
PERLND	114	6	RCHRES	14	2
PERLND	115	20	RCHRES	14	2
IMPLND	103	20	RCHRES	14	1
PERLND	111	326	RCHRES	14	2
PERLND	112	52	RCHRES	14	2
PERLND	113	352	RCHRES	14	2
RCHRES	9		RCHRES	14	3
RCHRES	10		RCHRES	14	3
PERLND	109	24	RCHRES	28	2
PERLND	110	69	RCHRES	28	2
IMPLND	102	69	RCHRES	28	1
PERLND	106	1177	RCHRES	28	2
PERLND	107	147	RCHRES	28	2
PERLND	108	1241	RCHRES	28	2
PERLND	109	18	RCHRES	25	2
PERLND	110	334	RCHRES	25	2
IMPLND	102	334	RCHRES	25	1
PERLND	106	792	RCHRES	25	2
PERLND	107	81	RCHRES	25	2
PERLND	108	918	RCHRES	25	2
PERLND	104	78	RCHRES	30	2
PERLND	105	1109	RCHRES	30	2
IMPLND	101	1109	RCHRES	30	1
PERLND	101	683	RCHRES	30	2
PERLND	102	103	RCHRES	30	2
PERLND	103	1541	RCHRES	30	2
PERLND	104	36	RCHRES	29	2
PERLND	105	153	RCHRES	29	2
IMPLND	101	153	RCHRES	29	1
PERLND	101	1579	RCHRES	29	2
PERLND	102	240	RCHRES	29	2
PERLND	103	3242	RCHRES	29	2
PERLND	109		RCHRES	34	2
PERLND	110	255	RCHRES	34	2
IMPLND	102	255	RCHRES	34	1
PERLND	106	46	RCHRES	34	2
PERLND	108	30	RCHRES	34	2
RCHRES	30		RCHRES	34	3
RCHRES	29		RCHRES	34	3
PERLND	109	15	RCHRES	26	2
PERLND	110	231	RCHRES	26	2
IMPLND	102	231	RCHRES	26	1
PERLND	106	416	RCHRES	26	2
PERLND	107	13	RCHRES	26	2
PERLND	108	220	RCHRES	26	2
RCHRES	34		RCHRES	26	3
PERLND	109	32	RCHRES	27	2
PERLND	110	232	RCHRES	27	2
IMPLND	102	232	RCHRES	27	1
PERLND	106	481	RCHRES	27	2
PERLND	107	56	RCHRES	27	2
PERLND	108	773	RCHRES	27	2
RCHRES	25		RCHRES	27	3
RCHRES	26		RCHRES	27	3
PERLND	109	2	RCHRES	35	2
PERLND	110	11	RCHRES	35	2
PERLND	107	5	RCHRES	35	2
PERLND	108	11	RCHRES	35	2

RCHRES	28		RCHRES	35	3
RCHRES	27		RCHRES	35	3
PERLND	111	77	RCHRES	23	2
PERLND	112	7	RCHRES	23	2
PERLND	113	87	RCHRES	23	2
RCHRES	35		RCHRES	23	3
PERLND	114	9	RCHRES	22	2
PERLND	115	25	RCHRES	22	2
IMPLND	102	25	RCHRES	22	1
PERLND	111	385	RCHRES	22	2
PERLND	112	95	RCHRES	22	2
PERLND	113	507	RCHRES	22	2
RCHRES	24		RCHRES	22	3
RCHRES	23		RCHRES	22	3
PERLND	111	7	RCHRES	33	2
PERLND	112	2	RCHRES	33	2
PERLND	113	3	RCHRES	33	2
RCHRES	21		RCHRES	33	3
RCHRES	22		RCHRES	33	3
PERLND	114	3	RCHRES	19	2
PERLND	115	28	RCHRES	19	2
IMPLND	103	28	RCHRES	19	1
PERLND	111	289	RCHRES	19	2
PERLND	112	28	RCHRES	19	2
PERLND	113	430	RCHRES	19	2
RCHRES	33		RCHRES	19	3
PERLND	114	18	RCHRES	17	2
PERLND	115	197	RCHRES	17	2
IMPLND	103	197	RCHRES	17	1
PERLND	111	407	RCHRES	17	2
PERLND	112	93	RCHRES	17	2
PERLND	113	1285	RCHRES	17	2
RCHRES	20		RCHRES	17	3
RCHRES	19		RCHRES	17	3
PERLND	114	2	RCHRES	15	2
PERLND	115	136	RCHRES	15	2
IMPLND	103	136	RCHRES	15	1
PERLND	111	334	RCHRES	15	2
PERLND	112	22	RCHRES	15	2
PERLND	113	187	RCHRES	15	2
RCHRES	18		RCHRES	15	3
RCHRES	17		RCHRES	15	3
PERLND	114	3	RCHRES	36	2
PERLND	115	7	RCHRES	36	2
IMPLND	103	7	RCHRES	36	1
PERLND	111	40	RCHRES	36	2
PERLND	112	7	RCHRES	36	2
PERLND	113	86	RCHRES	36	2
RCHRES	16		RCHRES	36	3
RCHRES	15		RCHRES	36	3
PERLND	111	4	RCHRES	13	2
PERLND	113	2	RCHRES	13	2
RCHRES	36		RCHRES	13	3
PERLND	124	9	RCHRES	4	2
PERLND	125		RCHRES	4	2
IMPLND	105		RCHRES	4	1
PERLND	122	18	RCHRES	4	2
PERLND	123	375	RCHRES	4	2
RCHRES	14		RCHRES	4	3
RCHRES	13		RCHRES	4	3
PERLND	124	35	RCHRES	1	2
PERLND	125	84	RCHRES	1	2
IMPLND	105	84	RCHRES	1	1
PERLND	111	388	RCHRES	1	2
PERLND	112	18	RCHRES	1	2
PERLND	113	359	RCHRES	1	2

RCHRES	3		RCHRES	1	3
RCHRES	4		RCHRES	1	3
PERLND	124	20	RCHRES	31	2
PERLND	125	155	RCHRES	31	2
IMPLND	105	155	RCHRES	31	1
PERLND	121	530	RCHRES	31	2
PERLND	122	43	RCHRES	31	2
PERLND	123	298	RCHRES	31	2
RCHRES	2		RCHRES	31	3
RCHRES	1		RCHRES	31	3
PERLND	125	16	RCHRES	32	2
IMPLND	105	16	RCHRES	32	1
PERLND	121	24	RCHRES	32	2
PERLND	122	3	RCHRES	32	2
PERLND	123	4	RCHRES	32	2
RCHRES	31		RCHRES	32	3
PERLND	105	1262	COPY	1	90
IMPLND	101	1262	COPY	1	91
PERLND	101	2262	COPY	1	90
PERLND	102	343	COPY	1	90
PERLND	103	4783	COPY	1	90
PERLND	104	114	COPY	1	90
PERLND	110	1132	COPY	1	90
IMPLND	102	1146	COPY	1	91
PERLND	106	2912	COPY	1	90
PERLND	107	302	COPY	1	90
PERLND	108	3193	COPY	1	90
PERLND	109	91	COPY	1	90
PERLND	115	828	COPY	1	90
IMPLND	103	803	COPY	1	91
PERLND	111	5770	COPY	1	90
PERLND	112	869	COPY	1	90
PERLND	113	7977	COPY	1	90
PERLND	114	346	COPY	1	90
PERLND	120	269	COPY	1	90
IMPLND	104	74	COPY	1	91
PERLND	116	2370	COPY	1	90
PERLND	117	360	COPY	1	90
PERLND	118	2526	COPY	1	90
PERLND	119	145	COPY	1	90
PERLND	125	1032	COPY	1	90
IMPLND	105	1262	COPY	1	91
PERLND	121	2205	COPY	1	90
PERLND	122	253	COPY	1	90
PERLND	123	3776	COPY	1	90
PERLND	124	125	COPY	1	90
PERLND	125	1131	COPY	2	90
IMPLND	105	1131	COPY	2	91
PERLND	121	2024	COPY	2	90
PERLND	122	253	COPY	2	90
PERLND	123	3776	COPY	2	90
PERLND	124	99	COPY	2	90
PERLND	111	5770	COPY	2	90
PERLND	112	869	COPY	2	90
PERLND	113	7977	COPY	2	90
PERLND	114	346	COPY	2	90
PERLND	115	828	COPY	2	90
IMPLND	103	803	COPY	2	91
PERLND	119	171	COPY	2	90
PERLND	120	270	COPY	2	90
IMPLND	104	270	COPY	2	91
PERLND	116	2370	COPY	2	90
PERLND	117	360	COPY	2	90
PERLND	118	2526	COPY	2	90
IMPLND	102	1146	COPY	2	91
PERLND	109	92	COPY	2	90

PERLND	110		1132	COPY	2	90
PERLND	107		302	COPY	2	90
PERLND	108		3193	COPY	2	90
PERLND	106		2912	COPY	2	90
PERLND	104		114	COPY	2	90
PERLND	105		1262	COPY	2	90
IMPLND	101		1262	COPY	2	91
PERLND	101		2262	COPY	2	90
PERLND	102		343	COPY	2	90
PERLND	103		4783	COPY	2	90

END SCHEMATIC

EXT TARGETS

<-Volume-> <-Grp> <-Member-><-Mult-->		Tran	<-Volume->	<Member>	Tsys	Aggr	Amd	***
<Name>	x	<Name>	x	x<-factor->	strg	<Name>	x	<Name> qf tem strg strg***
RCHRES	14	GQUAL	DQAL	1 1	AVER	WDM1	1348	DQAL 1 ENGL AGGR REPL
RCHRES	29	GQUAL	DQAL	1 1	AVER	WDM1	1347	DQAL 1 ENGL AGGR REPL
RCHRES	34	GQUAL	DQAL	1 1	AVER	WDM1	1349	DQAL 1 ENGL AGGR REPL
RCHRES	32	HYDR	RO	1 1	AVER	WDM1	1337	FLOW 1 ENGL AGGR REPL
RCHRES	32	ROFLOW	ROVOL	1 1	2.4108e-4	WDM	1338	SIMQ 1 ENGL AGGR REPL
RCHRES	32	GQUAL	DQAL	1 1	AVER	WDM1	1346	DQAL 1 ENGL AGGR REPL
COPY	2	OUTPUT	MEAN	1 1	2.009E-05	WDM	1339	SURO 1 ENGL AGGR REPL
COPY	2	OUTPUT	MEAN	2 1	2.009E-05	WDM	1340	IFWO 1 ENGL AGGR REPL
COPY	2	OUTPUT	MEAN	3 1	2.009E-05	WDM	1341	AGWO 1 ENGL AGGR REPL
COPY	2	OUTPUT	MEAN	4 1	2.009E-05	WDM	1342	PETX 1 ENGL AGGR REPL
COPY	2	OUTPUT	MEAN	5 1	2.009E-05	WDM	1343	SAET 1 ENGL AGGR REPL
COPY	2	OUTPUT	MEAN	6 1	2.009E-05	AVER	WDM	1344 UZSX 1 ENGL AGGR REPL
COPY	2	OUTPUT	MEAN	7 1	2.009E-05	AVER	WDM	1345 LZSX 1 ENGL AGGR REPL

END EXT TARGETS

MASS-LINK

MASS-LINK		2	<-Target vols> <-Grp> <-Member->		***
<Name>			<Name>	x	x x ***
PERLND	PWATER	PERO	0.0833333	RCHRES	INFLOW IVOL
PERLND	PWTGAS	PODOXM		RCHRES	INFLOW OXIF 1
PERLND	PWTGAS	POHT		RCHRES	INFLOW IHEAT 1
PERLND	PEST	SOSDPS	1	RCHRES	INFLOW ISQAL 1 1
PERLND	PEST	SOSDPS	1	RCHRES	INFLOW ISQAL 2 1
PERLND	PEST	SOSDPS	1	RCHRES	INFLOW ISQAL 3 1
PERLND	SEDMNT	SOSED	1	0.05	RCHRES INFLOW ISED 1
PERLND	SEDMNT	SOSED	1	0.55	RCHRES INFLOW ISED 2
PERLND	SEDMNT	SOSED	1	0.4	RCHRES INFLOW ISED 3
PERLND	PQUAL	POQUAL	1		RCHRES INFLOW IDQAL 1

END MASS-LINK 2

MASS-LINK		1	<-Target vols> <-Grp> <-Member->		***
<Name>			<Name>	x	x x ***
IMPLND	IWATER	SURO	0.0833333	RCHRES	INFLOW IVOL
IMPLND	IWTGAS	SODOXM		RCHRES	INFLOW OXIF 1
IMPLND	IWTGAS	SOHT		RCHRES	INFLOW IHEAT 1
IMPLND	SOLID	SOSLD	1	0.05	RCHRES INFLOW ISED 1
IMPLND	SOLID	SOSLD	1	0.55	RCHRES INFLOW ISED 2
IMPLND	SOLID	SOSLD	1	0.4	RCHRES INFLOW ISED 3
IMPLND	IQUAL	SOQUAL	1		RCHRES INFLOW IDQAL 1

END MASS-LINK 1

MASS-LINK		3	<-Target vols> <-Grp> <-Member->		***
<Name>			<Name>	x	x x ***
RCHRES	ROFLOW		RCHRES	INFLOW	

END MASS-LINK 3

MASS-LINK 90

<-Volume-> <-Grp> <-Member-><--Mult-->	<-Target vols> <-Grp> <-Member-> ***
<Name> <Name> x x<-factor->	<Name> <Name> x x ***
PERLND PWATER SURO	COPY INPUT MEAN 1
PERLND PWATER IFWO	COPY INPUT MEAN 2
PERLND PWATER AGWO	COPY INPUT MEAN 3
PERLND PWATER PET	COPY INPUT MEAN 4
PERLND PWATER TAET	COPY INPUT MEAN 5
PERLND PWATER UZS	COPY INPUT MEAN 6
PERLND PWATER LZS	COPY INPUT MEAN 7
END MASS-LINK 90	
MASS-LINK 91	
<-Volume-> <-Grp> <-Member-><--Mult-->	<-Target vols> <-Grp> <-Member-> ***
<Name> <Name> x x<-factor->	<Name> <Name> x x ***
IMPLND IWATER SURO	COPY INPUT MEAN 1
IMPLND IWATER PET	COPY INPUT MEAN 4
IMPLND IWATER IMPEV	COPY INPUT MEAN 5
END MASS-LINK 91	
END MASS-LINK	
END RUN	